



SEQUENCE LISTING

<110> Mendelsohn, Michael E.
Surks, Howard K.

<120> COMPOSITIONS INVOLVING M-RIP, AND
RELATED METHODS FOR SCREENING FOR ANTI-HYPERTENSIVE AGENTS,
AND USES THEREOF

<130> 00398/518002

<140> US 10/715,632
<141> 2003-11-17

<150> US 60/426,591
<151> 2002-11-15

<160> 20

<170> FastSEQ for Windows Version 4.0

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<212> PRT
<213> Homo sapien

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Trp Leu Leu Ala Pro Asp Gly Thr Asp Phe Asp Asn Pro Val His
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Arg Ser Arg Lys Trp Gln Arg Arg Phe Phe Ile Leu Tyr Glu His Gly
65 70 75 80
Leu Leu Arg Tyr Ala Leu Asp Glu Met Pro Thr Thr Leu Pro Gln Gly
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Thr Ile Asn Met Asn Gln Cys Thr Asp Val Val Asp Gly Glu Gly Arg
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Thr Gly Gln Lys Phe Ser Leu Cys Ile Leu Thr Pro Glu Lys Glu His
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Lys Val Glu Pro Pro Thr Pro Gln Glu Pro Gly Pro Ala Lys Val Ala
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Val Thr Ser Ser Ser Ser Ser Ser Ser Ser Ile Pro Ser Ala
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Glu Lys Val Pro Thr Thr Lys Ser Thr Leu Trp Gln Glu Glu Met Arg
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Thr Lys Asp Gln Pro Asp Gly Ser Ser Leu Ser Pro Ala Gln Ser Pro
210 215 220
Ser Gln Ser Gln Pro Pro Ala Ala Ser Ser Leu Arg Glu Pro Gly Leu

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Lys Gln Asp Leu	Lys Ala Glu Glu	Gln Gln Leu Pro	Pro Pro Leu Ser
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Pro Pro Ser Pro	Ser Thr Pro Asn His	Arg Arg Ser Gln	Val Ile Glu
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Lys Phe Glu Ala	Leu Asp Ile Glu	Lys Ala Glu His	Met Glu Thr Asn
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Ala Val Gly Pro	Ser Pro Ser Ser Asp	Thr Arg Gln Gly	Arg Ser Glu
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355	360	365	
Ala Lys Ser Leu	Asp Arg Arg Ser	Thr Glu Pro	Ser Val Thr Pro Asp
370	375	380	
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385	390	395	400
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Tyr Arg Asp Ser	Val Ala Glu Glu	Ala Ala Asp	Leu Asp Gly Glu Ile
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Gly Val Gly Pro	Ala Asp Thr His	Glu Pro Leu Arg	Pro Glu Ala Glu
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Gln Val Glu Thr	Thr Pro Leu Arg	Glu Glu Lys	Gln Val Pro Ile Ala
645	650	655	
Pro Val His Leu	Ser Ser Glu Asp	Gly Gly Asp Arg	Leu Ser Thr His
660	665	670	
Glu Leu Thr Ser	Leu Leu Glu Lys	Glu Leu Glu Gln	Ser Gln Lys Glu
675	680	685	
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 Lys Ile Glu Asp Leu Gln Arg Gln His Gln Arg Glu Leu Glu Lys Leu
 740 745 750
 Arg Glu Glu Lys Asp Arg Leu Leu Ala Glu Glu Thr Ala Ala Thr Ile
 755 760 765
 Ser Ala Ile Glu Ala Met Lys Asn Ala His Arg Glu Glu Met Glu Arg
 770 775 780
 Glu Leu Glu Lys Ser Gln Arg Ser Gln Ile Ser Ser Val Asn Ser Asp
 785 790 795 800
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 Gly Asp Gly Gly Glu Ala Thr Gly Ser Pro Leu Ala Gln Gly Lys
 885 890 895
 Asp Ala Tyr Glu Leu Glu Val Leu Leu Arg Val Lys Glu Ser Glu Ile
 900 905 910
 Gln Tyr Leu Lys Gln Glu Ile Ser Ser Leu Lys Asp Glu Leu Gln Thr
 915 920 925
 Ala Leu Arg Asp Lys Lys Tyr Ala Ser Asp Lys Tyr Lys Asp Ile Tyr
 930 935 940
 Thr Glu Leu Ser Ile Ala Lys Ala Lys Ala Asp Cys Asp Ile Ser Arg
 945 950 955 960
 Leu Lys Glu Gln Leu Lys Ala Ala Thr Glu Ala Leu Gly Glu Lys Ser
 965 970 975
 Pro Asp Ser Ala Thr Val Ser Gly Tyr Asp Ile Met Lys Ser Lys Ser
 980 985 990
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 <213> Homo sapien

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 35 40 45
 Trp Leu Leu Leu Ala Pro Asp Gly Thr Asp Phe Asp Asn Pro Val His
 50 55 60
 Arg Ser Arg Lys Trp Gln Arg Arg Phe Phe Ile Leu Tyr Glu His Gly
 65 70 75 80
 Leu Leu Arg Tyr Ala Leu Asp Glu Met Pro Thr Thr Leu Pro Gln Gly

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Thr Gly Gln Lys Phe Ser Leu Cys	Ile Leu Thr Pro Asp Lys Glu His	
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Phe Ile Arg Ala Glu Thr Lys Glu Ile Ile Ser	Gly Trp Leu Glu Met	
130	135	140
Leu Met Val Tyr Pro Arg Thr Asn Lys Gln Asn	Gln Lys Lys Lys Arg	
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Lys Val Glu Pro Pro Thr Pro Gln Glu Pro	Gly Pro Ala Lys Met Ala	
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195	200	205
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Asp Gly Gly Arg Lys Val Arg Val Glu Ser	Gly Tyr Phe Ser Leu Glu	
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275	280	285
Ser Pro Pro Ser Pro Ser Thr Pro His Ser Arg	Arg Ser Gln Val Ile	
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Ala Lys Ser Leu Asp Arg Arg Ser Thr Glu Ser	Ser Met Thr Pro Asp	
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385	390	395
Gln Trp Lys Lys His Trp Phe Val Leu Ala	Asp Gln Ser Leu Arg Tyr	
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Tyr Arg Asp Ser Val Ala Glu Glu Ala Ala Asp	Leu Asp Gly Glu Ile	
420	425	430
Asn Leu Ser Thr Cys Tyr Asp Val Thr Glu Tyr	Pro Val Gln Arg Asn	
435	440	445
Tyr Gly Phe Gln Ile His Thr Lys Glu Gly Glu	Phe Thr Leu Ser Ala	
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Met Thr Ser Gly Ile Arg Arg Asn Trp Ile Gln	Thr Ile Met Lys His	
465	470	475
Val Leu Pro Ala Ser Ala Pro Asp Val Thr	Ser Ser Leu Pro Glu Gly	
485	490	495
Lys Asn Lys Ser Thr Ser Phe Glu Thr Cys Ser	Arg Ser Thr Glu Lys	
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Gln Glu Ala Glu Pro Gly Glu Pro Asp Pro Glu	Gln Lys Lys Ser Arg	
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 Gly Glu Leu Glu Arg Glu Arg Ala Arg Arg Arg Glu Glu Pro Arg Lys
 580 585 590
 Arg Phe Gly Met Leu Asp Thr Ile Asp Gly Pro Gly Met Glu Asp Thr
 595 600 605
 Ala Leu Arg Met Asp Ile Asp Arg Ser Pro Gly Leu Leu Gly Thr Pro
 610 615 620
 Asp Leu Lys Thr Gln Asn Val His Val Glu Ile Glu Gln Arg Trp His
 625 630 635 640
 Gln Val Glu Thr Thr Pro Leu Arg Glu Glu Lys Gln Val Pro Ile Ala
 645 650 655
 Pro Leu His Leu Ser Leu Glu Asp Arg Ser Glu Arg Leu Ser Thr His
 660 665 670
 Glu Leu Thr Ser Leu Leu Glu Lys Glu Leu Glu Gln Ser Gln Lys Glu
 675 680 685
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 Val Ala Leu Gly Arg Glu Gln Ser Ala Arg Glu Gly Tyr Val Leu Gln
 705 710 715 720
 Ala Thr Cys Glu Arg Gly Phe Ala Ala Met Glu Glu Thr His Gln Lys
 725 730 735
 Lys Ile Glu Asp Leu Gln Arg Gln His Gln Arg Glu Leu Glu Lys Leu
 740 745 750
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 755 760 765
 Ser Ala Ile Glu Ala Met Lys Asn Ala His Arg Glu Glu Met Glu Arg
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 Glu Leu Glu Lys Ser Gln Arg Ser Gln Ile Ser Ser Ile Asn Ser Asp
 785 790 795 800
 Ile Glu Ala Leu Arg Arg Gln Tyr Leu Glu Glu Leu Gln Ser Val Gln
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 Asn Ala His Leu Ala Gln Ala Leu Glu Ala Glu Arg Gln Ala Leu Arg
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35 40 45
Leu Leu Leu Ala Pro Asp Gly Thr Asp Phe Asp Asn Pro Val His Arg
50 55 60
Ser Arg Lys Trp Gln Arg Arg Phe Phe Ile Leu Tyr Glu His Gly Leu
65 70 75 80
Leu Arg Tyr Ala Leu Asp Glu Met Pro Thr Thr Leu Pro Gln Gly Thr
85 90 95
Ile Asn Met Asn Gln Cys Thr Asp Val Val Asp Gly Glu Arg Thr Gly
100 105 110
Gln Lys Phe Ser Leu Cys Ile Leu Thr Pro Lys Glu His Phe Ile Arg
115 120 125
Ala Glu Thr Lys Glu Ile Ser Gly Trp Leu Glu Met Leu Met Val Tyr
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Pro Arg Thr Asn Lys Gln Asn Gln Lys Lys Arg Lys Val Glu Pro
145 150 155 160
Pro Thr Pro Gln Glu Pro Gly Pro Ala Lys Ala Val Thr Ser Ser Ser
165 170 175
Ser Ser Ser Ile Pro Ser Ala Glu Lys Val Pro Thr Thr Lys Ser Thr
180 185 190
Leu Trp Gln Glu Glu Met Arg Lys Asp Gln Pro Asp Gly Ser Leu Ser
195 200 205
Pro Ala Gln Ser Pro Ser Gln Ser Gln Pro Pro Ala Ala Arg Glu Pro
210 215 220
Gly Leu Glu Ser Lys Glu Glu Ser Ser Asp Arg Asp Gly Arg Lys Val
225 230 235 240
Arg Val Glu Ser Gly Tyr Phe Ser Leu Glu Lys Lys Gln Asp Leu Ala
245 250 255
Glu Glu Gln Leu Pro Pro Leu Ser Pro Pro Ser Pro Ser Thr Pro Arg
260 265 270
Arg Ser Gln Val Ile Glu Lys Phe Glu Ala Leu Asp Ile Glu Lys Ala
275 280 285
Glu His Met Glu Thr Asn Pro Ser Ser Asp Thr Arg Gln Gly Arg Ser
290 295 300
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305 310 315 320
Pro Leu Ser Pro His Arg Arg Ala Lys Ser Leu Asp Arg Arg Ser Thr
325 330 335
Glu Ser Thr Pro Asp Leu Leu Asn Phe Lys Lys Gly Trp Leu Thr Lys
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Met Lys His Val Pro Ala Pro Asp Val Thr Ser Ser Leu Pro Glu Lys
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 Trp His Gln Val Glu Thr Thr Pro Leu Arg Glu Glu Lys Gln Val Pro
 565 570 575
 Ile Ala Pro His Leu Ser Glu Asp Arg Leu Ser Thr His Glu Leu Thr
 580 585 590
 Ser Leu Leu Glu Lys Glu Leu Glu Gln Ser Gln Lys Glu Ala Ser Asp
 595 600 605
 Leu Leu Glu Gln Asn Arg Leu Leu Gln Asp Gln Leu Arg Val Ala Leu
 610 615 620
 Gly Arg Glu Gln Ser Ala Arg Glu Gly Tyr Val Leu Gln Ala Thr Cys
 625 630 635 640
 Glu Arg Gly Phe Ala Ala Met Glu Glu Thr His Gln Lys Lys Ile Glu
 645 650 655
 Asp Leu Gln Arg Gln His Gln Arg Glu Leu Glu Lys Leu Arg Glu Glu
 660 665 670
 Lys Asp Arg Leu Leu Ala Glu Glu Thr Ala Ala Thr Ile Ser Ala Ile
 675 680 685
 Glu Ala Met Lys Asn Ala His Arg Glu Glu Met Glu Arg Glu Leu Glu
 690 695 700
 Lys Ser Gln Arg Ser Gln Ile Ser Ser Asn Ser Asp Glu Ala Leu Arg
 705 710 715 720
 Arg Gln Tyr Leu Glu Glu Leu Gln Ser Val Gln Arg Glu Leu Glu Val
 725 730 735
 Leu Ser Glu Gln Tyr Ser Gln Lys Cys Leu Glu Asn Ala His Leu Ala
 740 745 750
 Gln Ala Leu Glu Ala Glu Arg Gln Ala Leu Arg Gln Cys Gln Arg Glu
 755 760 765
 Asn Gln Glu Leu Asn Ala His Asn Gln Glu Leu Asn Asn Arg Leu Ala
 770 775 780
 Ala Glu Ile Thr Arg Leu Arg Thr Leu Leu Thr Gly Asp Gly Gly Gly
 785 790 795 800
 Glu Thr Gly Pro Leu Gln Gly Lys Asp Ala Tyr Glu Leu Glu Val Leu
 805 810 815
 Leu Arg Val Lys Glu Ser Glu Ile Gln Tyr Leu Lys Gln Glu Ile Ser
 820 825 830
 Ser Leu Lys Asp Glu Leu Gln Thr Ala Leu Arg Asp Lys Lys Tyr Ala
 835 840 845
 Ser Asp Lys Tyr Lys Asp Ile Tyr Thr Glu Leu Ser Ile Ala Lys Ala
 850 855 860
 Lys Ala Asp Cys Asp Ile Ser Arg Leu Lys Glu Gln Leu Lys Ala Ala
 865 870 875 880
 Thr Glu Ala Leu Gly Glu Lys Ser Pro Thr Val Ser Gly Tyr Asp Ile
 885 890 895
 Met Lys Ser Lys Ser Asn Pro Asp Phe Leu Lys Lys Asp Arg Ser Cys

900 905 910
Val Thr Arg Gln Leu Arg Asn Ile Arg Ser Lys Ser Val Ile Glu Gln
915 920 925
Val Ser Trp Asp
930